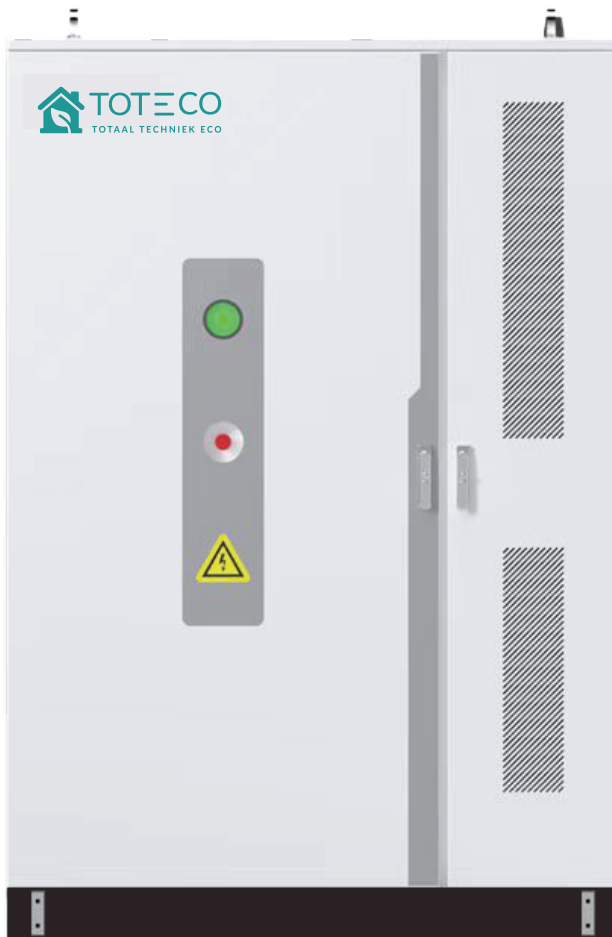


C&I All-in-one ESS

Z BOX-I 156 1H

150kW/156kWh | 1C



The Z BOX-1 156 1H is a flexible modular C&I energy storage system offering AI-driven smart management, rapid FFR/FCR-D response, and efficient, economical operation. With IP55 protection, C4/C5 corrosion resistance, and flexible installation options, it delivers safe and reliable performance for diverse commercial and industrial deployments.

 **Flexible Modular Design**

 **Rapid FFR/FCR-D Response**

 **Smart Management and Easier O&M**

 **IP55**
Protection level

 **Efficient & Economical**
System efficiency $\geq 89\%$

Parameters

Model	I01-90KN-94	I01-100KN-104	I01-110KN-114	I01-120KN-125	I01-120KN-135	I01-150KN-156
Battery Data						
Cell Type	LFP					
Rated Capacity	102Ah					
Serial-Parallel Type	2P144S	2P160S	2P176S	2P192S	2P208S	2P240S
Rated Capacity Per Pack	10.444kWh					
Pack Number	9	10	11	12	13	15
System Rated Energy Capacity	93.996kWh	104.44kWh	114.884kWh	125.328kWh	135.772kWh	156.66kWh
Rated DC Voltage	460V	512V	563V	614V	665V	768V
Rated DC Voltage Range	403~518V	448~576V	492~633V	537~691V	582~748V	672~864V
AC Data						
Rated AC Power	90kW	100kW	110kW	120kW	120kW	150kW
Rated AC Voltage	400Vac					
Rated Frequency	50/60Hz					
Rated AC Current	129A	144A	158A	173A	173A	216A
AC Wiring Type	3W/N+PE					
Power Factor	-0.8~0.8					
General Data						
DOD	95%					
Noise	≤75dB					
Protection Degree	IP54					
Cooling Method	Intelligent Fan Cooling					
Fire Suppression System	Novec 1230+Aerosol					
Operating Temperature Range	-30℃~60℃(> 45℃ Derating)					
Relative Humidity	0%~95%RH(Non-Condensing)					
Max.Working Altitude	2000m					
Display	LED+Touch Screen(Optional)					
Com Interfaces	WiFi+LAN+4G					
Dimensions (L*W*H)	1500*1600*2200mm					
Weight	2290±50kg	2375±50kg	2460±50kg	2545±50kg	2630±50kg	2800±50kg